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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	William Chen	Art Unit:	2621
Serial No.:	10/783,696	Examiner:	Anand Shashikant Rao
Filed:	February 20, 2004	Confirmation No.:	1789
Title:	Video Codec System with Real-Time Complexity Adaptation and Region-of-Interest Coding		

TO: EXAMINER RAO

FAX NO.: (571) 273-8300

FROM: MIKE GABRIK

RE: PROPOSED AMENDMENTS IN RESPONSE TO OFFICE ACTION DATED DECEMBER 23, 2008

AMENDMENTS TO CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method for adapting the number of encoded bits produced by a codec to a system target bit-rate, comprising:

determining if the system target bit-rate is such that bits-per-macroblock is less than a fixed predetermined number,

if not,

setting the frequency at which intra-coded frames are sent to a first fixed predetermined frequency range,

allocating bits between intra-coded frames and inter-coded frames according to a first predetermined allocation factor, and

adjusting quantizer step sizes for the intra-coded and inter-coded frames,

if so,

setting the frequency at which intra-coded frames are sent to a second fixed predetermined frequency range that is lower than the first fixed predetermined frequency range, unless ~~there is~~a motion vector is found in each of more than a predetermined percentage of the macroblocks, in which case the sending frequency of the intra-coded frames is set to the first fixed predetermined frequency range, and

setting to zero transform coefficients having a zig-zag index greater than or equal to a preset number in ~~select~~ luminance intra-coded frame transform coefficient blocks ~~and not in other frame transform coefficient blocks, wherein said select intra code frame transform coefficient blocks are identified by a predefined criteria~~having a DC transform coefficient whose value exceeds a fixed predetermined number.

2. (Currently Amended) A method as recited in claim 1, ~~wherein the criteria for identifying said select intra coded frame transform coefficient blocks include (i) each luminance block with a DC transform coefficient whose value exceeds a fixed predetermined number and (ii)~~further comprising setting to zero transform